



Pergamon

Journal of Vestibular Research, Vol. 4, No. 6, pp. VII-XV, 1994
Copyright © 1994 Elsevier Science Ltd
Printed in the USA. All rights reserved
0957-4271/94 \$6.00 + .00

CONTENTS INDEX
VOLUME 4, 1994

Volume 4, Number 1

Spring 1994

CONTENTS

- | | | |
|---|----|---|
| Mark Shelhamer
Laurence R. Young | 1 | The Interaction of Otolith Organ Stimulation and Smooth Pursuit Tracking |
| Bob S.K. Cheung
Ken E. Money
Ian P. Howard | 17 | Human Gaze Instability During Brief Exposure to Reduced Gravity |
| Seija Uimonen
Kyösti Laitakari
Risto Bloigu
Martti Sorri | 29 | The Repeatability of Posturographic Measurements and the Effects of Sleep Deprivation |
| G. Wei
S.H. Lafortune
D.J. Ireland
R.M. Jell | 37 | Human Vertical Optokinetic Nystagmus and After-Response, and Their Dependence Upon Head Orientation With Respect to Gravity |
| J.H.J. Allum
F. Honegger
H. Schicks | 49 | The Influence of a Bilateral Peripheral Vestibular Deficit on Postural Synergies |
| Susan J. Herdman
Amy L. Sandusky
Timothy C. Hain
David S. Zee
Ronald J. Tusa | 71 | Characteristics of Postural Stability in Patients With Aminoglycoside Toxicity |
| | I | Vestibular Bibliography |

INDEXED IN Cam. Sci. Abstr., CABS, ISI, PsychINFO

CONTENTS

Reviews

- P.L.M. Huygen** 81 Peripheral Vestibular and Vestibulo-Cochlear Dysfunction
W.I.M. Verhagen in Hereditary Disorders: A Review of the Literature and
a Report on Some Additional Findings

- W.I.M. Verhagen** 105 Central Vestibular, Vestibulo-Acoustic and Oculomotor
P.L.M. Huygen Dysfunction in Hereditary Disorders: A Review of the
Literature and a Report on Some Additional Findings

Original Contribution

- J.W. Grant** 137 Theoretical Mechanical Frequency Response of the
C.C. Huang Otolithic Organs
J.R. Cotton

Short Communications

- A. Katsarkas** 153 Postural Instability on One Foot in Patients With Loss
H. Smith of Unilateral Peripheral Vestibular Function
H. Galiana

- C. Mueller** 161 Visually Induced Self-Motion Sensation Is Altered in
L. Kornilova Microgravity Adaptation
G. Wiest
L. Decke

- I Vestibular Bibliography

CONTENTS

Review

- P.F. Smith** 169 Can Vestibular Compensation Be Enhanced by Drug
C.L. Darlington Treatment?: A Review of Recent Evidence

Original Contributions

- R.B. Post** 181 The Effect of Alcohol on the Vestibulo-Ocular Reflex
L.A. Lott and Apparent Concomitant Motion
J.I. Beede
R.J. Maddock
- E.R. Lewis** 189 Theoretical Bases of Short-Latency Spike Volleys in the
B.R. Parnas Peripheral Vestibular System
- G.D. Lawson** 203 Electromyographic Responses of Lower Leg Muscles to
N.T. Shepard Upward Toe Tilts as a Function of Age
D.L. Oviatt
Y. Wang
- I. Doweck** 215 The Vestibulo-Ocular Reflex (VOR) Under the Influence
C.R. Gordon of Cinnarizine
O. Spitzer
Y. Melamed
A. Shupak
- M.S. Redfern** 221 Postural Sway of Patients With Vestibular Disorders
J.M. Furman During Optic Flow
- C.L. Shupert** 231 Hip Sway Associated With Vestibulopathy
F.B. Horak
F.O. Black

Short Communication

- R.N. Sawyer, Jr.** 245 The Cervico-Ocular Reflex of Normal Human Subjects in
S.E. Thurston Response to Transient and Sinusoidal Trunk Rotations
K.R. Becker
C.V. Ackley
S.H. Seidman
R.J. Leigh

CONTENTS

Original Contributions

- | | | |
|--|-----|---|
| P. Andre
P. d'Ascanio
D. Manzoni
O. Pompeiano | 251 | Depression of the Vestibulospinal Reflex by Intravermal Microinjection of GABA _A and GABA _B Agonists in the Decerebrate Cat |
| J.A. Goebel
J.M. Hanson
D.G. Fishel | 269 | Age-Related Modulation of the Vestibulo-Ocular Reflex Using Real and Imaginary Targets |
| S. Uimonen
K. Laitakari
R. Bloigu
M. Reinilä
M. Sorri | 277 | Static Posturography and Intravenous Alcohol |
| M. Holden
J. Ventura
J.R. Lackner | 285 | Stabilization of Posture by Precision Contact of the Index Finger |
| E. Tolu
M. Pugliatti
P. Lacana
G. Chessa
M.A. Caria
M.E. Simula | 303 | Vestibular and Somatosensory Afferents Modulate Masseter Muscle Activity |
| Q. Yue
D. Straumann
V. Henn | 313 | Three-Dimensional Characteristics of Rhesus Monkey Vestibular Nystagmus After Velocity Steps |
| | I | Vestibular Bibliography |

CONTENTS

*Special Issue**David A. Robinson—Four Decades of Seminal Eye Movement Research*

A. Fuchs	325	Guest Editorial
		<i>Original Contributions</i>
A. Straube C. Helmchen F. Robinson A. Fuchs U. Büttner	327	Saccadic Dysmetria Is Similar in Patients With a Lateral Medullary Lesion and in Monkeys With a Lesion of the Deep Cerebellar Nucleus
L.F. Dell'Osso	335	Evidence Suggesting Individual Ocular Motor Control of Each Eye (Muscle)
R.J. Leigh W.P. Huebner J.L. Gordon	347	Supplementation of the Human Vestibulo-Ocular Reflex by Visual Fixation and Smooth Pursuit
J.L. Demer	355	Effect of Aging on Vertical Visual Tracking and Visual-Vestibular Interaction
P. Lefèvre M. Missal H.L. Galiana	371	Modeling Slow Correcting Gaze Movements
S. Ron A. Berthoz S. Gur	383	Model of Coupled or Dissociated Eye-Head Coordination
K. McConville R.D. Tomlinson W.M. King G. Paige E.-Q. Na	391	Eye Position Signals in the Vestibular Nuclei: Consequences for Models of Integrator Function
W.M. King W. Zhou R.D. Tomlinson K.M.V. McConville W.K. Page G.D. Paige J.S. Maxwell	401	Eye Position Signals in the Abducens and Oculomotor Nuclei of Monkeys During Ocular Convergence
	I	Vestibular Bibliography

CONTENTS

Original Contributions

- | | | |
|---|-----|--|
| G. Morrison
M. Hawken
C. Kennard
G. Kenyon | 409 | Dynamic Platform Sway Measurement in Menière's Disease |
| J.M. Furman
I. Koizuka | 421 | Reorientation of Poststimulus Nystagmus in Tilted Humans |
| G.A. Kevetter
M.J. Correia
P.R. Martinez | 429 | Morphometric Studies of Type I and Type II Hair Cells in the Gerbil's Posterior Semicircular Canal Crista |
| H. Li
D.A. Godfrey
A.M. Rubin | 437 | Quantitative Distribution of Amino Acids in the Rat Vestibular Nuclei |
| G.C.Y. Peng
J.F. Baker
B.W. Peterson | 453 | Dynamics of Directional Plasticity in the Human Vertical Vestibulo-Ocular Reflex |
| T. Szturm
D.J. Ireland
M. Lessing-Turner | 461 | Comparison of Different Exercise Programs in the Rehabilitation of Patients With Chronic Peripheral Vestibular Dysfunction |

Short Communication

- | | | |
|-------------------|-----|--|
| M.A. Hamid | 481 | Effects of Head Position on Posture During Altered Visual and Proprioceptive Orientation: Preliminary Report |
| | I | Vestibular Bibliography |
| | V | Contents/Author/Keyword Index
Volume 4, 1994 |